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COMPLETE LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A process for producing a graphite article, comprising forming a laminate comprising a plurality of flexible graphite sheets which comprise graphene layers; and directionally aligning the graphene layers of the laminate by the application of pressure effected after the formation of the laminate from the plurality of flexible graphite sheets.

Claims 2-6 (canceled)

7. (withdrawn) A laminate produced in accordance with the process of claim 1.

Claims 8-9 (canceled)

10. (withdrawn) A thermal solution comprising a plurality of flexible graphite sheets laminated into a unitary article, wherein the thermal anisotropic ratio of the article is at least about 70.

11. (withdrawn) The thermal solution of claim 10 wherein the thermal anisotropic ratio of the article is at least about 160.

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12. (withdrawn) The thermal solution of claim 10 wherein the laminate is formed by laminating flexible sheets of compressed particles of exfoliated graphite with a suitable adhesive.
13. (withdrawn) The thermal solution of claim 12 wherein the adhesive comprises a pressure sensitive or thermally activated adhesive.
14. (withdrawn) The thermal solution of claim 10 which comprises a heat sink.
15. (withdrawn) The thermal solution of claim 10 which comprises a heat spreader.
16. (previously presented) The process according to claim 5 wherein said density of said laminate comprises greater than 1.4 g/cc.
17. (previously presented) The process according to claim 1 wherein said directionally aligning the graphene layers of the laminate comprises increasing a density of the laminate from the range of 1.1 g/cc to 1.35 g/cc to greater than 1.4 g/cc.

Claims 18-21 (canceled)

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22. (currently amended) The process according to claim ~~20~~ 1 wherein said applying pressure comprises calendering said plurality of flexible graphite sheets.

23. (canceled)

24. (previously presented) A process of producing a graphite article comprising forming a plurality of graphite sheets into a laminate and applying a sufficient amount of pressure to said laminate to directionally align at least one graphene layer of said laminate.

25. (previously presented) The process according to claim 24 wherein an initial density of said laminate prior to said applying pressure comprises 1.1 g/cc to 1.35 g/cc and a final density of said laminate comprises more than about 1.4 g/cc.

26. (previously presented) The process according to claim 24 wherein said applying pressure comprises calendering said laminate.

27. (previously presented) The process according to claim 24 wherein said applying pressure comprises pressing said laminate.

28. (previously presented) The process according to claim 24 wherein said sufficient amount of pressure comprises at least 60 MPa.

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29. (currently amended) The process according to claim ~~20~~ 1 wherein said sufficient amount of pressure comprises at least 60 MPa.